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09/156,394

FIRST NAMED INVENTOR

ATTORNEY DOCKET NO.

09/18/98

YAMADA

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0038-0294P

002292

QM02/1207

EXAMINER

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FALLS CHURCH, VA 22042

ART UNIT

PAPER NUMBER

3743

DATE MAILED:

12/07/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

					
(0)	PE 40	Application No.	Applicant(s		
Office Action Summary			1 / 71	Group Art Unit	
JUL	2 0 5006	8 Attinson	•	3747	
—The MAILING DATE of this communication	appeare of	n the cover sheet	beneath the	correspondence address	
Period for Reply	The Property of the Parket of				
A SHORTENED STATUTORY PERIOD FOR REPLY IS OF THIS COMMUNICATION.	S SET TO EX	XPIRE	MONTH	(S) FROM THE MAILING DATE	
 Extensions of time may be available under the provisions of from the mailing date of this communication. If the period for reply specified above is less than thirty (30) If NO period for reply is specified above, such period shall, the Failure to reply within the set or extended period for reply within the set. 	days, a reply w by default, expi	vithin the statutory mini	mum of thirty (3 om the mailing o	0) days will be considered timely. date of this communication	
Status					
□-Responsive to communication(s) filed on	3/2/200	0 -1 7/6/99		•	
→ This action is FINAL.	, ,				
 Since this application is in condition for allowance accordance with the practice under Ex parte Qua 				to the merits is closed in	
Disposition of Claims					
	121-	29	is/ar	e pending in the application.	
Of the above claim(s) 25-76 a	129	···	is/ar	e withdrawn from consideration.	
□ Claim(s)				is/are allowed	
☐ Claim(s)		10 Tú	is/ar	e allowed.	
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\bigcirc Claim(s) $2-6, 8-10, 2/$	-24 and	127-28	is/ar	e rejected.	
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U. S. Patent and Trademark Office PTO-326 (Rev. 9-97)

Part of Paper No. 15

Application/Control Number: 09/156,394

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Response to Amendment

Claims 1, 7 and 11-20 have been cancelled.

Claims 21-29 have been added.

Claims 2-6, 8-10 and 21-29 are pending.

Claims 25-26 and 29 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b) as being drawn to a non-elected invention. Election was made without traverse in Paper No. 4.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 2, 4-5, 8-9, 21-22, 24 and 27-28 are rejected under 35 U.S.C. § 102(b) as being anticipated by applicant cited Japanese reference ('479).

The Japanese reference ('479) in Figure 1 discloses applicant's the claimed invention. Any of the four sections is read as forming the flares.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought

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to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. § 103, the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 C.F.R. § 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of potential 35 U.S.C. § 102(f) or (g) prior art under 35 U.S.C. § 103.

Claims 3, 6, 10 and 23 are rejected under 35 U.S.C. § 103 as being unpatentable over applicant cited Japanese reference ('479) in view of Dinh. The Japanese reference ('479) discloses all the claimed features of the invention with the exception of a triangular shaped outer edge.

The patent of Dinh in Figure 7 discloses that it is known to have a triangular shaped outer edge for the purpose of increasing heat exchange efficiency and reducing the amount of waste material when making a finned heat exchanger. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to employ in Japanese reference ('479) a triangular shaped outer edge for the purpose of increasing heat exchange efficiency and reducing the amount of waste material when making a finned heat exchanger as disclosed in Dinh.

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Response to Arguments

Applicant supplied Japanese reference ('479) in Figure 1 discloses applicant's the claimed

invention.

Conclusion

Applicant's submission of an information disclosure statement under 37 CFR 1.97(c) with

the fee set forth in 37 CFR 1.17(p) prompted the new ground(s) of rejection presented in this

Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 609(B)(2)(I).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date

of this final action.

Charlet Och

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Christopher Atkinson whose telephone number is (703) 308-2603.

PRIMARY EXAMINER

C.A. December 5, 2000 NOSNIXIA REPRESENTATION DECEMBER 2000 NOSNIXIA REPRES